Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/11/2020 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123721	-2	2.13	123780	2.15
Blue	F	SSC	125000	125218	0	2.32	126006	2.37
Blue	E	FITC	15892	15482	-3	2.96	337	20.64
Blue	D	PE	29999	29070	-4	2.11	634	14.99
Blue	B	PerCP-Cy5-5	43732	43735	0	3.83	1174	20.69
Blue	A	PE-Cy7	30845	30770	-1	6.22	588	42.36
Red	C	APC	46112	45309	-2	2.51	1602	12.05
Red	A	APC-Cy7	30458	29876	-2	2.42	787	11.82
Violet	B	V450	7918	7576	-5	4.64	428	12.76
Violet	A	V500	32171	30791	-5	4.39	721	10.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17380	9.88	631	10	N/A	N/A	Pass
Blue	F	SSC	57061	1.71	570	11	N/A	N/A	Pass
Blue	E	FITC	61	65.51	549	6	0.0187	123	Pass
Blue	D	PE	133	50.47	554	6	0.1595	280	Pass
Blue	B	PerCP-Cy5-5	215	51.06	663	7	0.0088	66	Pass
Blue	A	PE-Cy7	105	106.19	705	7	0.0100	13	Pass
Red	C	APC	380	25.40	588	4	0.0250	174	Pass
Red	A	APC-Cy7	175	28.05	560	4	0.0057	874	Pass
Violet	B	V450	65	56.16	460	2	0.0548	1876	Pass
Violet	A	V500	107	30.20	476	2	0.0241	343	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.66	-32.27	1.00
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.87	13.60 - 20.40	N/A	N/A	29.82	30.21	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10572

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments